Emission Unit ID: 168

100K R-1706KE-001

1706KE

This is a MINOR, ACTIVELY ventilated emission unit.

1706-KE Lab

Emission Unit Information

Stack Height: 25.00 ft. 7.62 m. Stack Diameter 1.50 ft. 0.46 m.

Average Stack Effluent Temperature: 78 degrees Farenheit. 26 degrees Celsius.

Average Stack ExhaustVelocity: 113.00 ft/second. 34.44 m/second.

Abatement Technology

ALARACT WAC 246-247-040(4)

state only enforceable: WAC 246-247-010(4), 040(5), 060(5)

Zone or Area	Abatement Technology	Required # of Units	Additional Description
	HEPA	1	
	Fan	1	Intermittent operation

Monitoring Requirements

state enforceable: WAC 246-247-040(5), 060(5), and federally enforceable: 40 CFR subpart H

Federal and State Regulatory	Monitoring and Testing Requirements	Radionuclides Requiring Measurement	Sampling Frequency
40 CFR 61.93[b][4][i] & WAC 246-247-075[3]	Appendix B, Method 114(3)	TOTAL ALPHA TOTAL BETA	4 week sample/year

Sampling Requirements [WAC 246-247-075(5), WAC 173-401-615(1)]: Record Sample

Additional monitoring or sampling requirements established by this License will be listed in the Conditions and Limitations section, if applicable.

Operational Status Activities at the 1706 KE Laboratory support decontamination and decommissioning operations include CERCLA cleanup at the Hanford Site. This stack exhausts filtered air from the 1706 KE Laboratory. Particulate emissions are sampled. The 1706 KE Counting Laboratory supports cleanup activities at the 105 KE and KW Basins.